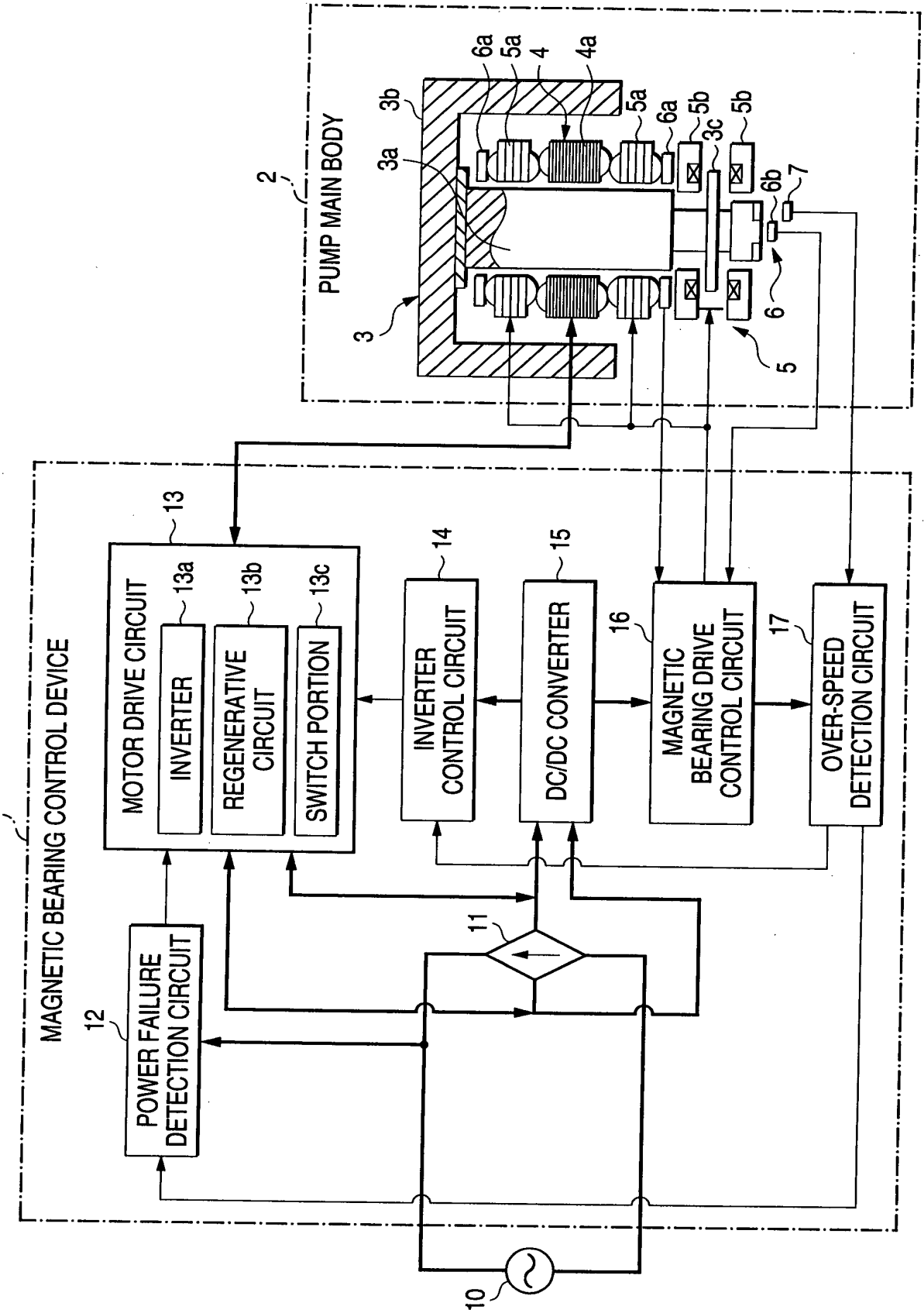
FIGURE 1


PUMP MAIN BODY
2
6a
5a
4
4a
3b
5a
6a
5b
5b
3c
3a
6b
7
6
3
5
MAGNETIC BEARING CONTROL DEVICE
1
MOTOR DRIVE CIRCUIT
13
INVERTER
13a
REGENERATIVE CIRCUIT
13b
SWITCH PORTION
13c
INVERTER CONTROL CIRCUIT
14
DC/DC CONVERTER
15
MAGNETIC BEARING DRIVE CONTROL CIRCUIT
16
OVER-SPEED DETECTION CIRCUIT
17
POWER FAILURE DETECTION CIRCUIT
12
11
10